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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Wayne M. Barnes

Serial No. (to be assigned)

Filed October 17, 2001

For DNA POLYMERASES WITH ENHANCED LENGTH OF PRIMER EXTENSION

PRELIMINARY AMENDMENT A

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS,
SIR:

Please enter the following amendment prior to the calculation of the fees and examination of the above-referenced application:

IN THE SPECIFICATION:

On page 1, immediately before FIELD OF THE INVENTION, please replace the paragraph with the following:

CROSS REFERENCE TO RELATED APPLICATION

This application is a continuation of co-pending U.S. patent application Serial No. 08/931,818, filed September 16, 1997 and allowed May 24, 2001, and is a continuation-in-part of co-pending patent application Serial No. 08/483,535, filed June 7, 1995, which is a continuation-in-part of U.S. Patent No. 5,436,149, filed February 19, 1993.

Please replace the paragraph starting on page 5, line 26, and ending on page 6, line 4 with the following:

In another aspect, a kit for the synthesis of a polynucleotide is provided, comprising a first DNA polymerase which possesses 3'-5' exonuclease activity, and a second DNA polymerase which lacks 3'-5' exonuclease activity, wherein the first DNA polymerase is selected from the group consisting of Pyrococcus furiosus DNA

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